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State of Utah

DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

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Inspection Report

Minerals Regulatory Program

Report Date May 4, 2006

Supervisor DRZ

Mine Name: Bingham Canyon
Operator Name: Kennecott Utah Copper

Permit number: M0350002
Inspection Date: May 4, 2006
Time: 9:45-10:20 AM

Inspector(s): Paul Baker
Other Participants: Kelly Payne
Mine Status: Active

Weather: Cloudy, 60's

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Purpose of Inspection:

The purpose of the inspection was to look at three areas from which material may be borrowed to use in reclamation of the Bonneville Crusher area. We needed to decide whether topsoil should be saved from these areas.

Inspection Summary:

9. Soils

Two of the prospective borrow areas have a soil layer with some degree of organic matter accumulation. The first of these is composed mostly of alluvial material, and the second has bedrock under the soil. The third area also has alluvial material, but Mr. Payne said the surface layers have been stripped from this area. The third area, despite having had soil stripped, has the best vegetation cover, primarily introduced perennial grasses.

All three areas are infested with yellow toadflax, which, although it is not a noxious weed, is a species the state is trying diligently to control. The first two areas also have a fair amount of cheatgrass. Also within the area to be reclaimed are some patches of whitetop.

Conclusions and Recommendations:

The operator should be very careful in the whitetop-infested areas to avoid spreading it.

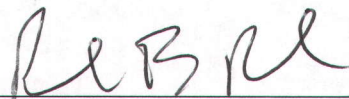
To prevent or slow the further spread of yellow toadflax, I suggest not salvaging the topsoil. As much as possible, the topsoil should be buried.

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The alluvial deposits contain enough unconsolidated material that I believe revegetation success is likely without saving soil in these areas. If the area with bedrock is used as borrow, I suggest using some of the alluvial material as soil.

Mr. Payne showed me a seed mixture being proposed for reseeding the entire area. I did not know what "chocolate flower" was, but I understand it may be blanket flower.. If so, it is acceptable. The only recommendation I made was to substitute purple three awn, the dominant perennial grass in the area, for slender wheatgrass.

Inspector's Signature



Date:

5/8/06

PBB:pb

cc: Kelly Payne, Vicky Peacey, and Paula Doughty, Kennecott
Attachment: Photos

ATTACHMENT

Photographs

M0350002, Bingham Canyon Mine, Kennecott Utah Copper
Inspection Dated: May 4, 2006; Report Dated: May 4, 2006



Photo 1. The first alluvial area where we walked.



Photo 2. This area is underlain by bedrock.



Photo 3. A panorama of the area being reclaimed. The bedrock area is in the foreground, the first alluvial area is near the right/center, and the second alluvial area is near the middle of the picture.